12/31

Contd. 11.37—35,000—15-11436.

(1934) Department

Education
Public Health

M. SERIES.

G.O. No. 1 P H

M.

DATED 1—4—1936

[Despatch Abstract.]

WATER-WORKS - Bellary Municipality - Hagari Pumping Station Electrification - Proposal approved.

C.F. 82

In reply, please quote number, date and short title.

18 VI 1 DEPARTMENT.

Received ..... *Registered* .....

From (Name) M.R.Ry. B. Adiseshiah Pantulu Garu, B.A.,

(Designation) Commissioner Bellary Municipality.

Post Box ..... (Station) B E L L A R Y.

Telegraphic Address .....

4578

SECRETARY TO GOVERNMENT 25 OCT 1935 LOCAL SELF-GOVERNMENT DEPT.

To The Secretary to Government
LOCAL SELF GOVERNMENT DEPARTMENT, MADRAS.
Through, M.R.Ry. N. Narayana Rao Garu, B.A.B.L.,
Chairman M.C. BELLARY

No. ....., *dated* 19-10-1935.

Ry Sec. 1036
24-10-35

Enclosures One

Spare Copies .....

Electrification - Hagari Water Pumping Station Bellary Municipality.

I submit herewith Bellary Municipal Council's Resolution No. I A. dated 15-10-35 regarding the above subject for information of the Government.

Commissioner.

K.s/19-10.

hmr 20-10-35

Forwarded
Narayana Rao
Chairman
2.4 1035

IV V

Extract from Proceedings of the Municipal Council Bellary, passed at its meeting held on Tuesday 15-10-35.

---

1 A. Letter No. 771/7-9-35 of the Electrical Engineer sending his report on the electrification of the Hagari pumping plant for consideration of the Council

Resolution:-

1. Appointment of a Special Supervisor.
2. Approval of the report.

Electrical Engineer's report on the Electrification of the Hagari Pumping plant.

The Council approves of the report on the Electrification of the Hagari Scheme as prepared by the Municipal Electrical Engineer and requests the Electrical Inspector to Government and the Sanitary Engineer, to finally sanction the same.

The Council resolves to appoint a supervisor for a period of three months for the preparation of plans and estimates of the said scehme and resolved to fix his payand allowances that may be recommended by the Sanitary Engineer.

The Council resolves to pre permit the said Supervisor to work in the Sanitary Engineer's Office for the preparation of the said plans and estimates during his period of appointment and requests the Sanitary Engineer to have the plans and estimates prepared as speedily as possible.

The Council offers its thanks to the Sanitary Engineer and the Electrical Inspector to Government for their having promptly and favourably considered the said scheme.

/ True copy /

Commissioner Delegate.

22-10-35

V 3

S.G. (PH) 246

C.No. 45-782 from the Comr. Bellary Mcty 1036 dy 24-10-35

68
24/11

Hagari Water Pumping Station – Bellary Mcty – Electrification of –

Memo 45-782-1E2 PH dy 22-11-35
Referred to the S.E. for remarks.

24/11

19/XI
24/11
20/11

To
The Secy Exec with C.f in
ref & to be rtd. intly

Dpd. by Peon with Messenger
initials.
22/11/1935

The remarks are apparently required in respect of the appt of the staff. The Comm. does not however apply to it generally
24/11

C.F. 30.

SANITARY ENGINEERING **DEPARTMENT.**

Received 19

Hagari water pumping station - Bellary Municipality - electrification.

ENCLOSURES.
No. 1 Original letter with enclosure.
Spare copies .....

No. 29-8

Station Chepauk, Madras , *Dated the* 15th January 1936.

From (Name) G.V. Rao Esq., B.Sc., Assoc.M.Inst.C.E.
(Designation) Sanitary Engineer to Government.

To The JOINT Secretary to the Government of Madras,
LOCAL SELF GOVERNMENT Department.

Sir,

L.S.G. Memo. No. 45782-1 L & P.H. dated 22nd November 1935.

The Municipal Council, Bellary was advised in this office No. 2803 M dated 11-10-1935 that it would not be advantageous to the interests of the water works concern to electrify the pumping station unless the cost of energy is available at not more less than 8 pies per unit.

The Electrical Inspector of Govt. informed me that it would be possiole to supply energy at a rate of 0.80 anna (9½ pies) per unit and not at 8 pies per unit. The Electrical Inspector was replied in my No. 3333 M. dated 3rd December 1935 that it will not be advantageous to electrify the

5

t'e water works unless the energy is available at 8 pies per unit.

The Municipal Council must necessarily keep the maintenance cost of the water works as low as possible to enable the municipality embarking on the improvement schemes from time to time according to the demand in the town. The electrification of water works offers a guaranteed day-load for the electrical power station to run at full efficiency, which goes to help the reduction of the cost of production. The electrical concern is further working as a remunerative enterprise and for the sake of this concern, it is not desirable to sacrifice the interest of the water works, whose maintenance cost should also be kept as low as possible.

Under the circumstances I would recommend to Government to advise the Council to agree to supply electrical energy at 3 pies per unit, if it is particularly interested in electrification of the station.

PS™/11-1-36.

G.O.Rt 15/1/36.

Sanitary Engineer to Govt.

Gk 15/1/36

C.F. 32.

6

Municipal - DEPARTMENT.

In reply, please quote number, date and short title

Received 2-FEB 1936 4594

Registered E 2

From (Name) M.R.Ry.N.Narayana Rao Garu, B.A., B.L.,

(Designation) Chairman, Municipal Council,

Post Box ....., (Station) Bellary.

Telegraphic Address .....

To

The Secretary to Government,
Local Self Government Department,
Madras.

Sir,

E No. 5934 *dated* 26th January *1936.*

ENCLOSURES:-

.....

.....

SPARE COPIES.....

Subject:- Electrification of Hagari Water Works - Disagreement between the Sanitary Engineer and the Electrical Inspector - Request Settlement thereof.

A Scheme prepared for the Electrification of the Hagari Water Works by the Municipal Electrical --- Engineer, at the instance of the Commissioner and myself, had been sent up to the Electrical Inspector and to the Sanitary Engineer for their scrutiny and approval. The Electrical Inspector has approved of the scheme as per his letter No.6726 dated 8-10-1935 (copy enclosed --- marked A.)

2. The Sanitary Engineer visited the town during September 1935 and this scheme was discussed by him with myself and the executive authorities of the Municipality; and tentative decisions were then arrived at. One of such decisions was that the cost of Electrical Energy --- supplied to Water Works was to be 0.8 annas per unit --- without any K.V.A. demand.

3. The Sanitary Engineer, in his letter dated --- 2803 M dated 11-10-35 (copy enclosed marked B) has --- confirmed the above decision and has also recommended --

certain detailed specifications regarding the capacity of the proposed Electrical plant. Subsequently, the rate has been lowered by him to 8 pies (0.67 annas) on the assumption --- that the Electrical plant will be on a par with the proposed gas plant so far as working costs are concerned.

4. The Council in its resolution No.1 A of 15-10-35 (copy attached marked C) has approved of the scheme and --- resolved to work out details as suggested by the Sanitary-Engineer vide his letter 2803M dated 11-10-1935. Copies of resolutions were sent to the Electrical Inspector and to the --- Sanitary Engineer, with a request to kindly settle the ----- question of rates by a personal discussion at Madras, if --- possible. The Electrical Inspector vide his letter No.8347 of 11-12-1935 (copy enclosed marked D) has suggested that -- as the Sanitary Engineer does not agree to 0.8 annas per unit the matter may be referred to some independent technical --- authority.

5. Further correspondence on the subject with the said two officers has not resulted in any agreed rate. ---- Copies of the letter from the Electrical Inspector No.8347 dated 11-12-35 and of the letter from the Sanitary Engineer -- No.204 M. dated 15-1-1936 (marked E.) are herewith enclosed. The letter of the Commissioner, to the Sanitary Engineer --- No.E.1076 of the 12th December 1935 is also enclosed with --- my forwarding : thereto (marked F.)

6. The Sanitary Engineer has replied vide 204 M.,of 15-1-1936 (referred to above) that he is agreeable only to a flat rate of 8 pies per unit.

7. The advantages of the introduction of the scheme -- are obvious and the Municipal Council would be greatly ---- benefitted if the two experts come to a settlement -- of the rate.

8. I would suggest settlement of the rate by accepting a medium between the two rates namely 8.7 pies or 0.73 annas and if the two experts agree to it, the ---- impasse would be got over. Otherwise, I request you to kindly select some competent technical authority for ----- settlement of this question, with power to go through the -- records relating to the question and to send up a report --- embodying his findings.

Narayana Rao,
Chairman,
Municipal Council.

GK.

Encl:- 8 sheets.

29.1.36.

9 A

Copy of letter No.6726 dated 8th October 1935 from the Electrical Inspector to Government, Madras, to the Commissioner, Bellary Municipality.

****

Your No.E.791 B dated 15th/16th September 1935.

I have perused Mr.S.S.Rao's report for the proposed electrification of the Hagari Water Works and consider he has made a reasonable case in favour of electrification.

2. I note on page 10, the recurring monthly charge of Rs.216-10-8 on the loan of Rs.40,000/- This seems to me wrong as with a most favourable 3½% money, the annual charges for a 20 year life work out to 7.86% increasing this Rs.216/- and odd to Rs.262/- On the electrical side, it is I think necessary to continue the annual loan charges of Rs.1,667/- on the existing water works loan of Rs.20,000/-

3. The entire cost of Rs.29,600 for the line has been charged to the water works; should this line feed outlying villages, a portion of its cost could be debited to the ---- Electrical Undertaking proper.

4. The parison works down to the following annual costs:--

Rs.46,000/- should a further unit of gas engine pumping plant be installed.

and Rs.41,000/- for the complete electrification without any deduction for tne sale of the existing plant.

5. It will be interesting to peruse the Sanitary ---- Engineer's remarks on the proposal.

****

(True copy)

Narayana Rao

Chairman,
Municipal Council.

GK.

27/1/36

15/25.1.36

10 B

Copy of letter No.2803 M. dated 11-10-1935 from the Sanitary Engineer to Government, Triplicane, Madras, to the Commissioner, Bellary Municipality.

****

Bellary Water Supply Scheme - Electrification.

Ref:- Your No.540/34 dated 16-9-1935.

I confirm as below the tentative decisions arrived at in the informal meeting of the Chairman, Commissioner, --- Municipal Electrical Engineer, Municipal Civil Engineer and --- myself held on 26-9-1935 to consider the question of ------ electrification of the pumping plant at Hagari Station, Bellary Water Works.

(1)- The cost of transmission lines from Bellary to the pumping station at Hagari must be borne by the electrical ---- concern and the cost of step-down transformer at the water works alone must be debited to the Water Works.

(2) The cost of energy to be at 0.8 annas per unit without any K.V.A. demand.

(3) Two sets of electrical motors and pumps one at the space reserved for the 3rd unit, and another in place of one of the existing units to be replaced are to be installed at a very early date. The sets must be capable of dealing with the --- maximum quantity as provided for in the scheme i.e., 6 lakhs of gallons a day pumping in 24 hours (13 hours to the Low Level Service Reservoir pumping at 436 gallons per minute against a total head of 277 feet, and 11 hours to High Level Service --- Reservoir pumping at 394 gallons per minute against 297 feet).

(4) The pump chamber must be made water-tight either by cement concreting the floor and the walls of the chamber to a height of about 10 feet above the floor level or by using brick on edge in cement mortar, together with water proofing -- material such as sika etc., in either case.

(5) A platform with hand-railing must be provided over the portion of pump chamber reserved for the 3rd unit at the --- level of the engine room to accommodate the switch board etc

Necessary provision for a ladder must be provided for from the platform to the pump chamber.

(6) The suction pipes to the new electrical sets -- must be altered suitably.

(7) Plans and estimates are to be prepared by a --- special supervisor to be appointed by the Municipality to work in the Sanitary Engineer's office for a period of three months as soon as the decision on the above lines is arrived at by the Municipal Council.

(8) In this connection I have to point out that the total maintenance cost of electrical units as worked out in my office on which the tentative decisions as above were arrived at was underestimated due to an arithmetical error in calculating the cost of electrical energy for 394200 units per annum at 0-1-3 per unit, which works out to Rs.30,800/- as against Rs.24,640/- entered in the statement, copy of which was also furnished to your Electrical Engineer. It will be seen as per statement (enclosed herewith) of comparative cost of maitenance on both electrical and gas sets, the --- electric plant will be on a par with gas plant if the cost of energy is available at not more than 0-0-8 per unit. It may be also observed from the comparative statement attached herewith that the total cost of energy Rs.16,425/- for the electrical units is in excess of the total cost of fuel and lubricating oil in the case of gas plant by about Rs.3,600/- Whatever amount is gained in the establishment and repairs and renewals in favour of electrical sets goes into the cost of electrical energy, which means additional income to the Electrical concern. Still the gas plant is cheaper by about Rs.1,600/- per annum. From the "conditions and rates of supply" published by the Electricity Department, Government of Madras, you will find from the correction slip No.5 that the rate per K.W.H. is .55 annas plus Rs.3-8-0 per K.W. per month when the total consumption exceeds 25,000 units per month. This works out for this case under reference ---

a flat rate of 0-0-7½ pies per unit. As such I consider that 0-0-8 per unit flat rate is quite favourable to the Electric Concern of the Municipality and I therefore recommend this proposition to the Council. I shall be glad to know the decision of the Council at an early date as the special ---- Supervisor now employed on the preparation of plans and estimates for the electrification of pumping plant at Erode will be ---- available within a fortnight's time for Bellary work.

It may be noted that any improvements to the pumping plant of higher duty as contemplated in the above --- proposal would not solve the question of house service ---- connections, since the original scheme was sanctioned on a ten gallons basis for an ultimate population of 50,000. If the conditions demand house service connections it will be necessary to carry out in the first instance improvements to the pumping main and also to the Infiltration works, if found necessary at an approximate cost of Rs.1,50,000/- The distribution system also designed for a ten gallons scheme will have to be improved at a later stage.

****

(True copy)

Chairman,
Municipal Council.

GK.

25.1.36

Bellary Water Works.

Comparative cost of Maintenance of Electrical and Gas Plants to pump 6,00,000 gallons in 24 hours.

Maintenance cost of Electrical sets.		Maintenance cost of gas plants.		Remarks.
Low Lift duty 436 gals.against a total head of 277 ft.				
High ,, 394 ,, ,, ,, 297 ft.				
H.P. for low lift - $\frac{436 \times 277 \times 10}{33000}$ = 36.6				
,, high lift. $\frac{394 \times 297 \times 10}{33000}$ = 35.5				
Average 36				
Assuming efficiency of pump at 70% and motors 86%				
K.W. Consumption = $36 \times \frac{100}{70} \times \frac{100}{86} \times$? = 45.				
Total number of units consumed per annum = 45 x 24 x 365 = 3,94,200.				
Cost of energy at 0-0-8 per unit, $394200 \times \frac{9}{192}$ =	16,425			
Lubricating oils and sundries. ...	260			
Establishment.		**Establishment.**		
1 Electrical Foreman. on Rs.70/- ...	840	1 Water Works Superintendent on Rs.100/- ...	1,200	
3 Electricians on Rs.30/- ...	1,080	2 Assistant Drivers on Rs.40/- ...	960	
3 Cleaners on Rs.14/-	504	3 Cleaners on Rs.14/- ...	504	
1 Watchman on Rs.12/- ...	144	3 Coal coolies on Rs.12/- ..	432	
1 Gardener on Rs.12/-	144	1 Store Keeper (portion of salary)Rs.20/-..	240	
1 Engineer (portion of salary) Rs.40/-	480	1 Gardener at Rs.12/- ...	144	
Repairs and renewals. ...	223	1 Fitter at Rs.40/- ...	480	
		Part salary of Engineer Rs.40/- ...	480	
		1 Watchman at Rs.12/- ...	144	
Total. ...	20,100	Total. ...	Rs.18,500	
		P.H.P. 36		
		With efficiency of pump at 70%. Belt slip 5% temperature & x loss 15% site.		
		B.H.P. = $36 \times \frac{100}{70} \times \frac{100}{95} \times \frac{100}{85}$ = 64.		
		Cost of charcoal = 64 B.H.P. x 1.25 lbs x 365 days x $\frac{24 \text{hrs} \times 32 \text{Rs.}}{2240}$		
		= Rs.10,000	10,000	
		Cost of lubricating oil - 64 B.H.P. x.02 lbs x 24 x 365 x $\frac{2}{8}$ lbs.	2,800	
		Water and sundries.	216	
		Repairs and renewals. ...	900	

14 C

Extract from the Proceedings of the Municipal Council, Bellary, passed at its meeting held on Tuesday (15-10-1935).

---

1 A. Letter No.711/7-9-35 of the Electrical --- Engineer sending his report on the electrification of the Hagari Pumping Plant for consideration of the Council.

Resolution:--

1. Appointment of a Special Supervisor.
2. Approval of the report.

Electrical Engineer's report on the ---- Electrification of the Hagari Pumping Plant.

The Council approves of the report on the Electrification of the Hagari Scheme as prepared by the Municipal Electrical Engineer and requests the Electrical Inspector to Government and the Sanitary Engineer to --- finally sanction the same. The Council resolves to ---- appoint a supervisor for a period of three months for the preparation of plans and estimates of the said scheme and resolved to fix his pay and allowances that may be ---- recommended by the Sanitary Engineer. The Council --- resolves to permit the said Supervisor to work in the --- Sanitary Engineer's office for the preparation of the said plans and estimates during his period of appointment --- and requests the Sanitary Engineer to have the plans and estimates prepared as speedily as possible.

The Council offers its thanks to the --- Sanitary Engineer and the Electrical Inspector to Government for their having promptly and favourably considered the -- said scheme.

****

(True copy)

Narayana Rao

Chairman,
Municipal Council.

GK.

27.1.36 22/136

15 D

Copy of letter No.8347 dated 11th December 1935 from the Electrical Inspector, Electricity Department, ---- Triplicane, Madras, to the Commissioner, Bellary Municipality.

****

Subject:- Hagari Water Works.

Further to my letter No.7831 dated the 22nd November I enclose a copy of the Sanitary Engineer's letter dated the 3rd December. He is adamant that unless the water works can be supplied at 8 pies per unit i.e., 0.67 anna, it will be more economical for your water works to be operated by gas --- engines.

2. I have placed before the Sanitary Engineer a detailed statement of the energy costs amounting to 0.80 anna per unit from your electrical undertaking. He has not placed before me any corresponding figures for gas-plant working and so I am unable to do anything further in the matter. I think the --- interests of the Municipal Council require that the matter --- shall be probed further and I would suggest that you address --- Government to submit the matter to some independent technical authority for decision.

****

Encls. Copy of letter on the reverse.

(True copy)

Chairman,
Municipal Council.

GK.

27/1/36

25.1.36

P.T.O.

ENCLOSURES.

Copy of letter No.3333-M dated 3rd December 1935 from the Sanitary Engineer to Government, Madras, to the Electrical Inspector to Government, Madras.

Bellary water works - Electrification.

Ref:- Your No.7343 dated 1-11-1935.

From the comparative statement of maintenance cost of electrical and gas plants furnished with my No.2803 M., dated 11-10-1935, it will be seen that the maintenance cost of electrical drive even at 0-0-8 per unit is greater than that of gas plant by Rs.1,600/-

Even assuming that smaller quantity of daily pumping is taken for calculation. the rate of 0-0-8 per unit is not at par with the cost of gas plant.

Under the circumstances it is not advantageous to the water works to electrify the station unless the energy is available at 0-0-8 per unit.

(True copy)

17 E

Copy of letter No.204-M dated 15-1-1936 from the Sanitary Engineer to Government, Triplicane, Madras, to the Commissioner, Bellary Municipality.

Electrification of water works - Bellary Municipality.

Ref:- Your No.E.1076 dated 12/14-12-195.

I have already furnished you with necessary particulars regarding the comparative maintenance cost of water works by -- gas and electrical plants.

It is not desirable to sacrifice the interest of water works to the benefit of electrical concern, which is a remunerative enterprise of the Municipality. The Municipality by keeping the maintenance cost of the water works as low as --- possible will certainly be able to embark on the improvements to water works from time to time according to the ncessity --- therefor.

Apart from this aspect, as the water works offers a guaranteed day-load to the electrical power station which in itself will permit the plant to run efficiently thereby reducing the cost of them production.

Under the circumstances, I would advise you to agree to supply the electrical energy at a flat rate of 8 pies per unit to the water works.

****

(True copy)

Narayana Rao
27/1/36

Chairman,
Municipal Council.

GK.

25.1.36

18 F

Copy of letter No.E.1076 dated 12/14th December 1935 from the Commissioner, Bellary Municipality, to the Sanitary Engineer to Government, Madras, through M.R.Ry.N.Narayana Rao Gar B.A., B.L., Chairman, Municipal Council, Bellary.

****

Subject:- Rates for Hagari Electrification.

Ref:- Your letter No.3412 M of 7-12-35 regarding the flat rate of Rs.0-0-8 per unit for electric --- supply to the proposed electrical pumps at Hagari.

With reference to above, I regret you are not in a position to arrive at a definite conclusion. From the working of the Electrical Undertaking and from the recommendations of the Electrical Inspector, it would appear that a rate of 0.8 anna or 9½ pies would be desirable.

In this connection, please allow me to remind you that you were pleased to agree to a flat rate of one anna per unit at Bezwada and as both the Electrical Concern and Water Works are run by the Municipality, and whatever be the differences--- in the rates, it is ultimately the Municipality that has to mee the working charges. You will kindly make up your mind -- to a flat rate of 0.8 anna for Bellary Water Works.

This Municipality is already working with a deficit -- budget and by electrifying the water works, the Council would be reducing the total annual charges on the water works and effect overall economies in charcoal and oils; besides it would be finding a guaranteed day-load for its Power Station working at a low load factor.

I shall thank you to kindly view the matter in the interest of the Council and I beg to suggest that it will be worth our forethought.

****

Forwarded.

As per your letter No.2803 M. of 11-10-35, one ~~xxx~~ of the tentative decisions arrived at was that the cost of energy

P.T.O.

be 0.8 annas per unit without K.V.A demand. This figure of 0.8 annas was arrived at after discussion and after examination of the previous ~~figures~~ five years' records of the cost of Generation of power. The Electrical Inspector to Government has, on account of disagreement between your rate and his rate suggested that the matter requires to be probed further so that a common figure may be arrived at.

I ~~xxxx~~ request you to kindly enlighten the Council with a statement of the previous five years' cost of 1,000 gallons pumped per year by gas plant and of the total charges per year for the water works.

The Council is anxious to reach settlement of this and it may kindly be noted that it is the -- only body to be affected, irrespective of the cost of the electrical energy being debited or credited to water works or to the electrical concern.

I request you to kindly reconsider the matter and to help the Council without any reference to ---- Government being necessitated.

****

Sd/- N.Narayana Rao,
Chairman, 13-12-35
Municipal Council.

****

(True copy)

Narayana Rao
Chairman, 27/1/36
Municipal Council.

GK.

7.9 Rc
25.1.36

V

d.S.G (PH) Dept

C/R. 45782 from the Commr. Bellary Dist. Nr 1036 d 24-10-35
C/R 2092 from the Sanr Engr. Nr 29-G d 15/1/36

Subject

Water supply - Bellary Dist. -
Hagari water pumping station -
Electrification

Dear Sir

The remarks of the Sanr Engr. in his letter Nr 29-G d 15/1/36 duly with which the Govt. agree are communicated to the Commr. Bellary Dist.

Yours faithfully

20/1/36

To
The Commr. Bellary Dist
for the C.O.C. Bellary
(with enclosure)
+
The Sanr Engr.

Please see the further communication received from the C.O.C. Bellary on 6-1-36 which was received since the submission of the above draft. It is reported that three

Electrical Inspector and the Sanitary Engineer do not agree as to the rate at which the supply of Electrical energy should be charged to the waterworks account and he requests Govt. to select some competent technical authority for the settlement of this question. The San. Engr has referred to the existence of a difference of opinion between him and the Electrical Inspector on the point. It is not stated whether the S.E.'s view may be accepted as already proposed in the draft or whether the matter should be referred to any other technical authority for a decision. In the latter case the P. Works Dept may be requested to advise in the matter

58 d

BBB 5/2

A The P. Works Dept may be requested to obtain the opinion of the Chief Engr for Electricity or to advise on the rate to be charged to the Water works Account for the Energy to be supplied for Electric working of water works. As the Electrical undertaking is the City's own, it is merely a question of which account to credit to different heads of accounts & ultimately the

22/

15

Cl. stands to gain on this. Nothing. A note for party Congress in the Electricity Act may be incorporated with the advice of PWD

8/2

19/2

P.W.H

45782-2 E/36

12/2/36

The file may be sent to the C.E.(E) no. for advice with reference to A on the previous page.

17/2

19/2

C.E.(E) no

ASST. SECRETARY TO GOVT. 12 FEB 1936 PUBLIC WORKS AND LABOUR DEPT.

P.W.H no 646E/36-1
19.2.36.
1803.

ELECTRICITY DEPARTMENT
OFFICE OF THE CHIEF ENGINEER.
Rec'd. 20 FEB 1936

Referred to	Noted	Date of passing on

To be dealt with by

Office of the Chief Engineer
for Electricity.

This is merely a question of a debit from one section of the Municipal accounts to another.

According to the cost data given in the files the direct recurring expenditure by the Council appears to be far higher for wages, repairs, fuel and lubricating oil etc. in the case of the gas engine than for the equivalent amount of electrical energy, while the extra load on the plant will reduce the cost per unit Hence electrification is more advantageous to the Council.

Regarding the commercial aspect of the case, I consider 0.80 anna a reasonable rate and it should be adopted.

The question of reducing the rate may be

considered after a year in view of any increased consumption or a possible general reduction in the tariffs of the Electricity Undertakings.

CE(E) u.o. No. 1803/36-Y
29.2.36

H.L. Howard 29/2/36

The Secy. to Govt. u.o.,
P.W.& L. Dept.

UNDER SECRETARY TO GOVT. E. 2-MAR 1936 Q85 PUBLIC WORKS AND LABOUR DEPT.

P.W+L.

This dept. may agree with the views of the C.E for Electricity and the file may be returned to L-85

TPS 18/3 Qw 18/3 Kl 20/3 L.S.Q

P.W+L.No. 646E 36-2
21.3.36

21 MAR 1936 LOCAL SELF-GOVERNMENT DEPARTMENT

Brlle 21/3

13661

L.S.Q (BH) Dept

This Dept. may also agree with the views of the C.E. for Electricity and the S.E. of the Bellary Circle may be informed accordingly. A draft order is submitted for approval.

TAS 30/3. C. Scan 30/3 BBH 23/3/36 23/3 H. 26/3 L.S.Q.

94 L.S.G. (P.H.) Dept.

G.F. 16.

10/1/4 Date. Initials.

DRAFT FOR APPROVAL.

When received for fair copying ..		
When copied ..		
When examined..		
When signed ..		
When despatched.		

SUBJECT:— Water Works - Bellary Municipality - Hagari Pumping Station - Electrification - Proposal approved.

READ AGAIN _____, dated _____ 19____.

" " _____ " _____ 19____.

READ *ALSO*:—

No. 4578 From the Comm^r. Bellary Mun^y, No. 1036, dated 24/10/1935.

" 2092 " Sen^r Engr. " 29-9 " 15/1/1936.

" 4594 " Comm^r Bellary Mun^y " S 3/31-1-36 28/1/1936.

Order / Resolution Ms. / Rout. No. 1022, dated - 1 - 4 - 1936.

Dpty. Secy. Dpty. Secy. 6-4-1936.

Put up for the perusal of Hon'ble Minister for P.H.

The Comm^r. Bellary Mun^y
Thro' the C.O. to Bellary ✓ with enclosure

The Sen^r Engr. ✓

The C.E for Electricity (Q Copy) ✓
Thro' the S.E. W.S.

Spare Copy

In the circumstances explained by the Chief Engr. for Electricity in his note no 1803/36 I d 29/1/36 (Copy enclosed) the Govt. consider that the rate for the supply of electrical energy at the proposal for the electrification of the Hagari water pumping station in the Bellary Mun^y and for the supply of electrical energy at the rate of 0.80 anna per unit as recommended by him 23/3/36.

Hon'ble P.H.

Received.....1936 Registered.....1936

Abstract

WATER-WORKS - Bellary Municipality - Hagari Pumping Station Electrification - Proposal approved.

EDUCATION & PUBLIC HEALTH DEPARTMENT

G.O. No.Ms.1 P.H., dated the 1st April 1936.

Read the following:-

From the Commissioner, Bellary Municipality, No.1036, dated 24th October 1935.
From the Sanitary Engineer, No.29-G, dated 15th January 1936.
From the Commissioner, Bellary Municipality, No. 55/51-1-36, dated 28th January 1936.

O R D E R :--

In the circumstances explained by the Chief Engineer for Electricity in his note No.1803/36-1, dated 29th February 1936 (copy enclosed), the Government consider that the rate for the supplying of electrical energy for the electrification of the Hagari water pumping station in the Bellary Municipality should for the present be 0.80 anna per unit as recommended by him.

(By order of Govt., Ministry of Edn. & Public Health)
C.H.MASTERMAN,
Secretary to Government

To The Commissioner, Bellary Municipality,
through the Chairman, Municipal Council, Bellary.
(with enclosure)
To The Sanitary Engineer.
To The Chief Engineer for Electricity,
through the Public Works and Labour Department.

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Forwarded
(By order)

Superintendent

AR/1-4